Ref #	Hits	Search Query	DBs	Default Operator	Pļurals	Time Stamp
Lii	3	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and (("transparent multiplexer") or ("t-mux"))	US-PGPUB; USPAT	OR	ON	2004/11/29 01:27
L2	57	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate") or ("error message")) and (((370/215-219) or (370/222-225) or (370/319) or (370/337) or (370/474) or (370/476) or (370/505) or (370/516) or (370/517) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/29 01:27

L3	7	multiplexer and demultiplexer and	US-PGPUB;	OR	ON	2004/11/29 01:27
	SONET and (("coding violation")	USPAT				
		or ("bit error rate") or (BER) or		İ		
		("error rate") or ("cell error rate") or ("data error rate") or ("frame				
		error rate") or ("superframe error				
		rate") or ("bit error count") or				
		("error count") or ("signal to noise				
		ratio") or (SNR) or ("noise rate")				
		or ("noise count") or ("signal				
		degradation") or ("signal"				
		degradation rate") or ("signal				
		degrade") or ("signal degrade				
		rate") or ("error message") or				
		("protection switching") or				
		(failover) or (performance near1		ļ		
		monitor\$3)) and ((operations adj administration adj mantenance				
		adj2 provisioning) or ("OAM&P")				
		or ("OAM and P") or (OAMP)) and				
		(((370/215-219) or (370/222-225)				
		or (370/238) or (370/242) or				
		(370/319) or (370/337) or				
		(370/474) or (370/476) or				
		(370/501) or (370/503) or				
		(370/505) or (370/516) or	,		1	
		(370/517) or (370/535-544) or				
		(370/557) or (370/907)).CCLS.)				

L4	18	multiplexer and demultiplexer and	US-PGPUB;	OR .	ON	2004/11/29 01:27
		SONET and (("coding violation")	USPAT			
		or ("bit error rate") or (BER) or				
		("error rate") or ("cell error rate")				
		or ("data error rate") or ("frame				
		error rate") or ("superframe error				
		rate") or ("bit error count") or				
		("error count") or ("signal to noise				
		ratio") or (SNR) or ("noise rate")				
		or ("noise count") or ("signal				
		degradation") or ("signal degradation rate") or ("signal				
		degradation rate ) of ( signal degrade				
		rate") or ("error message") or				
		("protection switching") or				
		(failover) or (performance near1			'	
		monitor\$3)) and ((operations adj				
		administration adj mantenance				
		adj2 provisioning) or ("OAM&P")		•		
		or ("OAM and P") or (OAMP) or				
		(OAM)) and (overhead) and				
		(((370/215-219) or (370/222-225)				
		or (370/238) or (370/242) or			,	
		(370/319) or (370/337) or				
		(370/474) or (370/476) or				
		(370/501) or (370/503) or				
		(370/505) or (370/516) or				
		(370/517) or (370/535-544) or				
ļ		(370/557) or (370/907)).CCLS.)				

L5	18	multipleyer and demultipleyer and	US-PGPUB;	OR	ON	2004/11/29 02:43
[2	18	multiplexer and demultiplexer and SONET and (("coding violation")	USPAT	J OK		2007/11/25 02.75
		or ("bit error rate") or (BER) or	USFAI			
		("error rate") or ("cell error rate")				
		or ("data error rate") or ("frame				
		error rate") or ("superframe error				
		rate") or ("bit error count") or				
		("error count") or ("signal to noise				
		ratio") or (SNR) or ("noise rate")				
		or ("noise count") or ("signal				
		degradation") or ("signal				
		degradation rate") or ("signal				
		degrade") or ("signal degrade				
		rate") or ("error message") or				
		("protection switching") or				
		(failover) or (performance near1				
		monitor\$3)) and ((operations adj				
		administration adj mantenance				
		adj2 provisioning) or ("OAM&P")				
		or ("OAM and P") or (OAMP) or			,	
		(OAM)) and (overhead) and				
		(((370/215-219) or (370/222-225)				
		or (370/238) or (370/242) or				
		(370/319) or (370/337) or				
		(370/474) or (370/476) or				
		(370/501) or (370/503) or				
		(370/505) or (370/516) or				
		(370/517) or (370/535-544) or				
1		(370/557) or (370/907)).CCLS.)				

	 T				T
L6	(((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/241.1) or (370/252) or (370/319) or (370/476) or (370/501) or (370/503) or (370/505) or (398/1) or (398/2) or (398/5) or (398/7) or (398/8) or (398/10) or (398/27) or (714/4) or (714/47) or (714/48) or (714/708) or (714/704) or (714/708) or (714/704) or (714/708) or (714/701).CCLS.) and (multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("cell error count") or ("signal to noise ratio") or ("bit error count") or ("signal degradation") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAMP) or ("OAM)))	US-PGPUB; USPAT	OR	ON	2004/11/29 01:27

	,				r	
L7	51	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP) or (OAM))	US-PGPUB; USPAT	OR	ON	2004/11/29 01:28
L8	8	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM) and P") or (OAMP) or (OAM)) and ((bit near1 interleaved near1 parity) or (parity near2 bit near2 field) or (BIP) or (BIP-8))	US-PGPUB; USPAT	OR	ON	2004/11/29 01:28

L9	38	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message")) and ((bit near1 interleaved near1 parity) or (parity near2 bit near2 field) or (BIP) or (BIP-8) or (B1) or (B2) or (B3)) and (STS-1)	US-PGPUB; USPAT	OR	ON	2004/11/29 01:28
L10	7	(("5216666") or ("5283785") or ("5434858") or ("5436890") or ("5579323") or ("6298038") or ("5841760")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/29 01:28
L11	5	"6298038".URPN.	USPAT	OR	ON	2004/11/29 01:28
L12	120	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/474) or (370/476) or (370/501) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/29 01:28

L13	207	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade") or (parity nessage")) and ((bit near1 interleaved near1 parity) or (BIP) or (BIP-8) or (B1) or (B2) or (B3))	US-PGPUB; USPAT	OR	ON	2004/11/29 01:28
LT4	120	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/3474) or (370/476) or (370/501) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/29 01:28

		11.1	110 000:10	00	Ot:	2004/44/20 04 20
L15	207	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message")) and ((bit near1 interleaved near1 parity) or (parity near2 bit near2 field) or (BIP) or (BIP-8) or (B1) or (B2) or (B3))	US-PGPUB; USPAT	OR	ON	2004/11/29 01:28
L16	3	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and (("transparent multiplexer") or ("t-mux"))	US-PGPUB; USPAT	OR	ON	2004/11/29 02:23
L17	57	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate") or ("error message")) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/474) or (370/476) or (370/505) or (370/505) or (370/505) or (370/516) or (370/517) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/29 02:23

L18	7	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/476) or (370/505) or (370/503) or (370/505) or (370/505) or (370/505).	US-PGPUB; USPAT	OR	ON	2004/11/29 02:23

L20	18	multiplexer and demultiplexer and	US-PGPUB;	OR	ON	2004/11/29 02:23
		SONET and (("coding violation")	USPAT		011	200 1/11/25 02:25
		or ("bit error rate") or (BER) or				
		("error rate") or ("cell error rate")				
		or ("data error rate") or ("frame				
	-	error rate") or ("superframe error				
		rate") or ("bit error count") or				
		("error count") or ("signal to noise				
		ratio") or (SNR) or ("noise rate")			,	
		or ("noise count") or ("signal				
		degradation") or ("signal				ĺ
		degradation rate") or ("signal	,			
•		degrade") or ("signal degrade				
		rate") or ("error message") or ("protection switching") or				
		(failover) or (performance near1				
		monitor\$3)) and ((operations adj				
		administration adj mantenance				
		adj2 provisioning) or ("OAM&P")				
		or ("OAM and P") or (OAMP) or				
		(OAM)) and (overhead) and			•	
		(((370/215-219) or (370/222-225)				
		or (370/238) or (370/242) or				
		(370/319) or (370/337) or				
		(370/474) or (370/476) or				
		(370/501) or (370/503) or		,		
		(370/505) or (370/516) or				
		(370/517) or (370/535-544) or				
		(370/557) or (370/907)).CCLS.)				

	<del>,</del>					
L21	29	(((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/241.1) or (370/252) or (370/319) or (370/37) or (370/474) or (370/476) or (370/501) or (370/503) or (370/505) or (370/516) or (370/557) or (370/907) or (398/1) or (398/2) or (398/2) or (398/2) or (398/8) or (398/10) or (398/27) or (714/4) or (714/704) or (714/708) or (714/704) or (714/708) or (714/712)).CCLS.) and (multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or ("BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("signal to noise ratio") or ("NR) or ("noise rate") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("performance near1 monitor\$3)) and ((operations adj	US-PGPUB; USPAT	OR	ON	2004/11/29 02:23
		administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP) or			•	
		(OAM)))				

				1	r	
L22	51	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("superframe error rate") or ("bit error count") or ("roise rate") or ("noise count") or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("performessage") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM))	US-PGPUB; USPAT	OR	ON	2004/11/29 02:23
L23	8	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAMP) or (OAMP) or (OAM)) and ((bit near1 interleaved near1 parity) or (BIP) or (BIP-8))	US-PGPUB; USPAT	OR	ON	2004/11/29 02:23

			1		T	1 1
L24		multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradetion") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("prignal degrade rate") or ("error message")) and ((bit near1 interleaved near1 parity) or (parity near2 bit near2 field) or (BIP) or (BIP-8) or (B1) or (B2) or (B3)) and (STS-1)	US-PGPUB; USPAT	OR	ON	2004/11/29 02:23
L25	7	(("5216666") or ("5283785") or ("5434858") or ("5436890") or ("5579323") or ("6298038") or ("5841760")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/29 02:23
L26	5	"6298038".URPN.	USPAT	OR	ON	2004/11/29 02:23
L27	120	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/476) or (370/505) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/29 02:43

L28	120	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/370) or (370/505) or (370/503) or (370/505) or (370/505) or (370/516) or (370/557) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/29 02:23
L29	207	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message")) and ((bit near1 interleaved near1 parity) or (parity near2 bit near2 field) or (BIP) or (BIP-8) or (B1) or (B2) or (B3))	US-PGPUB; USPAT	OR	ON	2004/11/29 02:23

L30	207	multiplexer and demultiplexer and	US-PGPUB;	OR	ON	2004/11/29 02:23
		SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message")) and ((bit near1 interleaved near1 parity) or (parity near2 bit near2 field) or (BIP) or (BIP-8) or (B1) or (B2) or (B3))	USPAT			
S1	366	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ration") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate"))	US-PGPUB; USPAT	OR	ON	2004/11/02 11:28
S2	366	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate"))	US-PGPUB; USPAT	OR	ON	2004/11/02 11:28
S3	0	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and ("SD message")	US-PGPUB; USPAT	OR	ON	2004/11/02 11:28

\$4	3	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and ("transparent multiplexer" or ("t-mux"))	US-PGPUB; USPAT	OR	ON	2004/11/02 11:28
S5	7660	((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/501) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-543) or (370/557)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/02 11:28
S6	7738	((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/501) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-543) or (370/557) or (370/907)).CCLS.	US-PGPUB; USPAT; ·USOCR	OR	OFF	2004/11/02 11:28
S7	8894	((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/474) or (370/476) or (370/501) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-544) or (370/557) or (370/907)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/02 11:29
S8	51	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/474) or (370/476) or (370/501) or (370/503) or (370/505) or (370/516) or (370/557) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/02 11:29

			<del>,</del>	T		
S9		multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/474) or (370/476) or (370/501) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/02 11:29
S10	118	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/37) or (370/474) or (370/503) or (370/501) or (370/503) or (370/505) or (370/517) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR *	ON .	2004/11/02 11:29

C11	110	multipleyer and demultipleyer and	LIC-DCDUD.	OP	ON	2004/11/02 11:20
S11	119	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") ("SD") or ("SD message") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/474) or (370/503) or (370/505) or (370/505) or (370/516) or (370/517) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/02 11:29
S12	0	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("SD") or ("SD message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and (((B adj "3") adj (message)) or (SD adj message)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/476) or (370/501) or (370/503) or (370/505) or (370/516) or (370/557) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/02 11:30

S13	21	multipleyer and demultipleyer and	US-PGPUB;	OR	ON	2004/11/02 11:20
213	21	multiplexer and demultiplexer and SONET and (("coding violation")	US-PGPUB;	UR	ON	2004/11/02 11:30
		or ("bit error rate") or (BER) or	USFAT			
		("error rate") or ("cell error rate")				
		or ("data error rate") or ("frame				-
		error rate") or ("superframe error				
		rate") or ("bit error count") or				
		("error count") or ("signal to noise				
		ratio") or (SNR) or ("noise rate")				
		or ("noise count") or ("signal	-			
		degradation") or ("signal				
		degradation rate") or ("signal				
		degrade") or ("signal degrade				
		rate") or ("error message") or				
		("protection switching") or				
		(failover) or (performance near1				
· ·	]	monitor\$3)) and ((operations adj administration adj mantenance				
		adj2 provisioning) or ("OAM&P")				
		or ("OAM and P") or (OAMP) or				
		(OAM)) and (((370/215-219) or				
		(370/222-225) or (370/238) or				
		(370/242) or (370/319) or				
		(370/337) or (370/474) or				
		(370/476) or (370/501) or				
		(370/503) or (370/505) or		l.		
		(370/516) or (370/517) or				
		(370/535-544) or (370/557) or				
		(370/907)).CCLS.)				

				T	T =	
S14	97	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP) or (OAM) or (overhead)) and (((370/215-219) or (370/222-225) or (370/319) or (370/337) or (370/474) or (370/476) or (370/505) or (370/503) or (370/505) or (370/505) or (370/505).	US-PGPUB; USPAT	OR	ON	2004/11/02 11:30
S15	3	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and (("transparent multiplexer") or ("t-mux"))	US-PGPUB; USPAT	OR	ON	2004/11/02 11:33

S16	55	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate") or ("error message")) and (((370/215-219) or (370/222-225) or (370/319) or (370/337) or (370/474) or (370/476) or (370/501) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/02 11:33
S17	7	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP)) and (((370/215-219) or (370/222-225) or (370/319) or (370/337) or (370/474) or (370/476) or (370/505) or (370/503) or (370/505) or (370/505).	US-PGPUB; USPAT	OR	ON	2004/11/02 11:33

	· · · · · · · · · · · · · · · · · · ·	l	T		1	
S18	118	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("signal to noise rate") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("frotection switching") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/370) or (370/505) or (370/503) or (370/505) or (370/505) or (370/505) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/02 11:33
S19	18	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM) and (overhead) and (((370/215-219) or (370/222-225) or (370/319) or (370/337) or (370/474) or (370/503) or (370/505) or (370/505) or (370/505).	US-PGPUB; USPAT	OR	ON	2004/11/02 11:33

S20	15045	((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/241.1) or (370/252) or (370/319) or (370/476) or (370/474) or (370/476) or (370/501) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-544) or (370/557) or (370/907) or (398/1) or (398/2) or (398/5) or (398/7) or (398/8) or (398/10) or (398/27) or (714/4) or (714/47) or (714/48) or (714/708) or (714/712)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/02 11:34
S21	314	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adjadministration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP) or (OAM) or (overhead))	US-PGPUB; USPAT	OR	ON	2004/11/02 11:34
S22	3	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and (("transparent multiplexer") or ("t-mux"))	US-PGPUB; USPAT	OR	ON	2004/11/02 11:34

S23	388	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate") or ("error message"))	US-PGPUB; USPAT	OR	ON	2004/11/02 11:34
S24	388	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate") or ("error message"))	US-PGPUB; USPAT	OR	ON	2004/11/02 11:35
S25	24	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adjadministration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP))	US-PGPUB; USPAT	OR	ON	2004/11/02 11:35

S26	40	multiplexer and demultiplexer and	US-PGPUB;	OR	ON	2004/11/02 11:35
		SONET and (("coding violation")	USPAT			, ,
		or ("bit error rate") or (BER) or				
		("error rate") or ("cell error rate")				
		or ("data error rate") or ("frame	٠			
		error rate") or ("superframe error				
		rate") or ("bit error count") or ("error count") or ("signal to noise				
		ratio") or (SNR) or ("noise rate")				
		or ("noise count") or ("signal				
`		degradation") or ("signal				
		degradation rate") or ("signal		,		
		degrade") or ("signal degrade				
		rate") or ("error message") or				
		("protection switching") or				·
		(failover) or (performance near1				
		monitor\$3)) and ((operations adj				
		administration adj mantenance adj2 provisioning) or ("OAM&P")				
		or ("OAM and P") or (OAMP) or				
		(OAM)) and (overhead)				

S27	119	(((370/215-219) or (370/222-225)	US-PGPUB;	OR	ON	2004/11/02 11:35
327	119	or (370/238) or (370/242) or	USPAT			2007/11/02 11.33
		(370/241.1) or (370/252) or	USFAI			•
		(370/319) or (370/337) or				
		(370/474) or (370/476) or				
		(370/501) or (370/503) or				
		(370/505) or (370/516) or				
		(370/517) or (370/535-544) or				
		(370/557) or (370/907) or (398/1)				
		or (398/2) or (398/5) or (398/7)				
		or (398/8) or (398/10) or (398/27)			,	
		or (714/4) or (714/47) or (714/48)				
		or (714/51) or (714/704) or				
		(714/708) or (714/712)).CCLS.)				
		and (multiplexer and demultiplexer				
		and SONET and (("coding				
		violation") or ("bit error rate") or				
		(BER) or ("error rate") or ("cell				
	•	error rate") or ("data error rate")				
1		or ("frame error rate") or				
		("superframe error rate") or ("bit				
		error count") or ("error count") or				
		("signal to noise ratio") or (SNR)				
		or ("noise rate") or ("noise count")				
	ě	or ("signal degradation") or				
		("signal degradation rate") or				
		("signal degrade") or ("signal				,
		degrade rate") or ("error				
		message") or ("protection				
		switching") or (failover) or				
		(performance near1 monitor\$3))				
		and ((operations adj				
		administration adj mantenance				
		adj2 provisioning) or ("OAM&P")				
	,	or ("OAM and P") or (OAMP) or				
	1	(OAM) or (overhead)))				

S28   28   (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/241.1) or (370/252) or (370/379) or (370/379) or (370/370) or (370/379) or (370/370) or (370/505) or (370/507) or (398/1) or (398/2) or (398/2) or (714/51) or (714/704) or (714/404) or (714/708) or (714/708) or (714/704) or (714/708) or (714/708) or (714/708) or (714/708) or ("cell error rate") or ("error rate") or ("error rate") or ("firame error rate") or ("cell error rate") or ("roise caueror rate") or ("signal to noise ratio") or ("bit error count") or ("signal degradation") or ("noise count") or ("signal degradation") or ("incise caueror rate") or ("signal degradation") or ("signal degraderor rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM))))	1:36

				ř		
S29	3	(((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/241.1) or (370/252) or (370/319) or (370/476) or (370/474) or (370/476) or (370/501) or (370/503) or (370/505) or (370/505) or (370/505) or (370/507) or (398/1) or (398/2) or (398/2) or (398/2) or (398/2) or (398/3) or (398/8) or (398/10) or (398/27) or (714/4) or (714/47) or (714/48) or (714/708) or (714/704) or (714/708) or (714/704) or (714/708) or (714/704) or (714/708) or ("error rate") or ("eell error rate") or ("data error rate") or ("frame error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and ("transparent multiplexer") or ("t-mux")))	US-PGPUB; USPAT	OR	ON	2004/11/02 11:36
S30	88	(((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/241.1) or (370/252) or (370/319) or (370/337) or (370/474) or (370/476) or (370/501) or (370/503) or (370/505) or (370/516) or (370/557) or (370/535-544) or (370/557) or (370/907) or (398/1) or (398/2) or (398/2) or (398/3) or (398/8) or (398/10) or (398/27) or (714/4) or (714/47) or (714/48) or (714/708) or (714/704) or (714/708) or (714/712)).CCLS.) and (multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("signal to noise ratio") or ("signal degradation rate") or ("signal degradation rate") or ("error message")))	US-PGPUB; USPAT	OR	ON	2004/11/02 11:36

S31	88	(((370/215-219) or (370/222-225)	US-PGPUB;	OR	ON	2004/11/02 11:36
		or (370/238) or (370/242) or	USPAT	•	0.1	200 1,22,02 22.00
		(370/241.1) or (370/252) or				
		(370/319) or (370/337) or				
		(370/474) or (370/476) or				
		(370/501) or (370/503) or				
		(370/505) or (370/516) or				
		(370/517) or (370/535-544) or				
		(370/557) or (370/907) or (398/1)				
		or (398/2) or (398/5) or (398/7)				
		or (398/8) or (398/10) or (398/27)				
		or (714/4) or (714/47) or (714/48)				
		or (714/51) or (714/704) or		•		
		(714/708) or (714/712)).CCLS.)				
		and (multiplexer and demultiplexer				
		and SONET and (("bit error rate")				
		or (BER) or ("error rate") or ("cell				
		error rate") or ("data error rate")				
		or ("frame error rate") or				
		("superframe error rate") or ("bit				
		error count") or ("error count") or				
		("signal to noise ratio") or (SNR)			,	
		or ("noise rate") or ("noise count")				
		or ("signal degradation rate") or				
		("error message")))				

			<del></del>			
S32	11	(((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/241.1) or (370/252) or (370/319) or (370/337) or (370/474) or (370/503) or (370/505) or (370/505) or (370/516) or (370/557) or (370/535-544) or (370/557) or (370/907) or (398/1) or (398/2) or (398/8) or (398/10) or (398/27) or (714/4) or (714/47) or (714/48) or (714/708) or (714/704) or (714/708) or (714/712)).CCLS.) and (multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or ("BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("cell error count") or ("superframe error rate") or ("signal to noise ratio") or ("Noise count") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P")	US-PGPUB; USPAT	OR	ON	2004/11/02 11:37
	}	or ("OAM and P") or (OAMP)))				

	-			r <del></del>		
S33	23	(((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/241.1) or (370/252) or (370/319) or (370/337) or (370/319) or (370/476) or (370/501) or (370/503) or (370/505) or (370/516) or (370/557) or (370/535-544) or (370/557) or (370/907) or (398/1) or (398/2) or (398/5) or (398/7) or (398/8) or (398/10) or (398/27) or (714/4) or (714/47) or (714/48) or (714/51) or (714/704) or (714/708) or (714/712)).CCLS.) and (multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or ("BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("signal to noise ratio") or ("bit error count") or ("noise count") or ("signal degradation rate") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAMP) or ("OAM)) and (overhead))	US-PGPUB; USPAT	OR	ON	2004/11/02 11:37

	<del></del>		<sub>r</sub>			
S34	52	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAMP) or (OAM))	US-PGPUB; USPAT	OR	ON	2004/11/02 12:02
S35	49	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP) or (OAM))	US-PGPUB; USPAT	OR	ON	2004/11/02 15:02

S36	, 5	multiplexer and demultiplexer and	US-PGPUB;	OR	ON	2004/11/02 15:04
		SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP) or (OAM)) and ((bit near1 interleaved	USPAT			
		near1 parity) or (BIP) or (BIP-8))				
S37	8	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP) or (OAM)) and ((bit near1 interleaved near1 parity) or (BIP) or (BIP-8))	US-PGPUB; USPAT	OR	ON	2004/11/04 02:20

				· · · · · · · · · · · · · · · · · · ·	1	
S38	204	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message")) and ((bit near1 interleaved near1 parity) or (parity near2 bit near2 field) or (BIP) or (BIP-8) or (B1) or (B2) or (B3))	US-PGPUB; USPAT	OR	ON	2004/11/04 02:22
S39	38	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or (perror message") and (bit near1 interleaved near1 parity) or (parity near2 bit near2 field) or (BIP) or (BIP-8) or (B1) or (B2) or (B3)) and (STS-1)	US-PGPUB; USPAT	OR	ON	2004/11/04 08:05
S40	7	(("5216666") or ("5283785") or ("5434858") or ("5436890") or ("5579323") or ("6298038") or ("5841760")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/04 08:06
S41	5	"6298038".URPN.	USPAT	OR	ON	2004/11/04 08:06
S42	369	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ration") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate"))	US-PGPUB; USPAT .	OR	ON	2004/11/16 20:09

S43	369	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate"))	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09
S44	0	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and ("SD message")	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09
S45	3	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and ("transparent multiplexer" or ("t-mux"))	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09
S46	8000	((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/501) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-543) or (370/557)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/16 20:09
S47	8079	((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/501) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-543) or (370/557) or (370/907)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/16 20:09

S48	9251	((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/474) or (370/476) or (370/501) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-544) or (370/557) or (370/907)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/16 20:09
S49	51	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/474) or (370/503) or (370/505)	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09
S50	113	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("superframe error rate") or ("bit error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/474) or (370/503) or (370/505) or (370/505) or (370/516) or (370/517) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09

	<del></del>		<del></del>	<del>,</del>		
S51	118	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/501) or (370/503) or (370/505) or (370/505) or (370/516) or (370/557) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09
S52	.119	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") ("SD") or ("SD message") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and (((370/215-219) or (370/238) or (370/242) or (370/319) or (370/337) or (370/474) or (370/503) or (370/505) or (370/503) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505).	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09

S53	0	multiplexer and demultiplexer and	US-PGPUB;	OR	ON	2004/11/16 20:09
	-	SONET and (("coding violation")	USPAT			
		or ("bit error rate") or (BER) or				
		("error rate") or ("cell error rate")				
		or ("data error rate") or ("frame				
		error rate") or ("superframe error				
		rate") or ("bit error count") or				
		("error count") or ("signal to noise				
		ratio") or (SNR) or ("noise rate")		•	i I	
		or ("noise count") or ("signal				
		degradation") or ("signal				
		degradation rate") or ("signal				
		degrade") or ("signal degrade   rate") or ("SD") or ("SD message")				
		or ("error message") or				
		("protection switching") or				
		(failover) or (performance near1				
		monitor\$3)) and (((B adj "3") adj				
i		(message)) or (SD adj message))				
		and (((370/215-219) or				
		(370/222-225) or (370/238) or			,	
		(370/242) or (370/319) or				
		(370/337) or (370/474) or				
ļ		(370/476) or (370/501) or				
İ		(370/503) or (370/505) or				
		(370/516) or (370/517) or				
		(370/535-544) or (370/557) or				
		(370/907)).CCLS.)				

S54	21	multiplexer and demultiplexer and	US-PGPUB;	OR	ON	2004/11/16 20:09
337	21	SONET and (("coding violation")	USPAT	OK .		2004/11/10 20.09
		or ("bit error rate") or (BER) or	OSIAI			
		("error rate") or ("cell error rate")	•			
İ		or ("data error rate") or ("frame				
		error rate") or ("superframe error				
		rate") or ("bit error count") or				,
		("error count") or ("signal to noise				
		ratio") or (SNR) or ("noise rate")				
		or ("noise count") or ("signal				
		degradation") or ("signal				,
		degradation rate") or ("signal				
		degrade") or ("signal degrade				
		rate") or ("error message") or				
		("protection switching") or				
		(failover) or (performance near1				
		monitor\$3)) and ((operations adj administration adj mantenance				
		adj2 provisioning) or ("OAM&P")				
		or ("OAM and P") or (OAMP) or				
		(OAM)) and (((370/215-219) or				
		(370/222-225) or (370/238) or				
		(370/242) or (370/319) or				
		(370/337) or (370/474) or				
		(370/476) or (370/501) or				
		(370/503) or (370/505) or				
		(370/516) or (370/517) or	•			
		(370/535-544) or (370/557) or				
		(370/907)).CCLS.)				

				1		
S55	97	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP) or (OAM) or (overhead)) and (((370/215-219) or (370/242) or (370/319) or (370/337) or (370/474) or (370/503) or (370/505) or (370/503) or (370/505) or (370/505).	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09
S56	3	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and (("transparent multiplexer") or ("t-mux"))	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09

						<del></del>
S57	55	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate") or ("error message")) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/474) or (370/503) or (370/505) or (370/503) or (370/505) or (370/516) or (370/557) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09
S58	7	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/505) or (370/503) or (370/505) or (370/505) or (370/505).	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09

S59	118	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/37) or (370/505) or (370/506) or (370/507) or (370/507) or (370/507) or (370/507) or (370/507) or (370/507) or (370/507) or (370/507) or (370/507) or (370/507) or	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09
S60	18	(370/907)).CCLS.)  multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM) and (overhead) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/503) or (370/501) or (370/503) or (370/505) or (370/516) or (370/557) or (370/535-544) or (370/557) or (370/557).	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09

S61	15517	((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/241.1) or (370/252) or (370/319) or (370/476) or (370/474) or (370/476) or (370/501) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-544) or (370/557) or (370/907) or (398/1) or (398/2) or (398/5) or (398/7) or (398/8) or (398/10) or (398/27) or (714/4) or (714/4704) or (714/708) or (714/704). CCLS.	US-PGPUB; USPAT; USOCR	OR .	OFF	2004/11/16 20:09
S62	316	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("from message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adjadministration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP) or (OAM) or (overhead))	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09
S63	3	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and (("transparent multiplexer") or ("t-mux"))	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09

S64	391	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate") or ("error message"))	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09
S65	391	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate") or ("error message"))	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09
S66		multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adjadministration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP))	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09

S67		40	multiplexer and demultiplexer and	US-PGPUB;	OR	ON	2004/11/16 20:09
			SONET and (("coding violation")	USPAT			,
			or ("bit error rate") or (BER) or				
			("error rate") or ("cell error rate")				
			or ("data error rate") or ("frame				
			error rate") or ("superframe error				
			rate") or ("bit error count") or				
			("error count") or ("signal to noise				
			ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal				
			degradation") or ("signal				
	1		degradation rate") or ("signal				
			degrade") or ("signal degrade				
			rate") or ("error message") or				
			("protection switching") or				
			(failover) or (performance near1				
			monitor\$3)) and ((operations adj				
			administration adj mantenance	·	(		
			adj2 provisioning) or ("OAM&P")				
			or ("OAM and P") or (OAMP) or			1	
			(OAM)) and (overhead)				

S68   121   ((((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/241.1) or (370/252) or (370/319) or (370/337) or (370/474) or (370/375) or (370/505) or (370/516) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505) or (370/507) or (398/1) or (398/8) or (398/1) or (398/8) or (398/1) or (398/8) or (398/1) or (714/71) or (714/48) or (714/712)).CCLS.) and (multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("ell error rate") or ("frame error rate") or ("signal degradation") or ("signal degrade") or ("performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAMRP)") or ("OAMR		<del>, </del>			r		
(OAM) or (overhead)))	S68	121	or (370/238) or (370/242) or (370/241.1) or (370/252) or (370/319) or (370/337) or (370/474) or (370/476) or (370/501) or (370/503) or (370/505) or (370/516) or (370/557) or (370/907) or (398/1) or (398/2) or (398/3) or (398/3) or (398/3) or (398/3) or (398/3) or (398/3) or (398/3) or (398/3) or (714/4) or (714/47) or (714/48) or (714/708) or (714/704) or (714/708) or (714/712)).CCLS.) and (multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or ("BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate") or ("signal degradation rate") or ("signal degradation rate") or ("signal degrade") or ("signal degrade rate") or ("performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P")	•	OR	ON	2004/11/16 20:09

	<sub>1</sub>					
S70	3	(((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/241.1) or (370/252) or (370/319) or (370/476) or (370/474) or (370/476) or (370/501) or (370/503) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505) or (370/507) or (398/1) or (398/2) or (398/2) or (398/2) or (398/2) or (398/3) or (398/3) or (398/3) or (714/4) or (714/47) or (714/48) or (714/51) or (714/704) or (714/708) or (714/704) or (714/708) or (714/712)).CCLS.) and (multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("superframe error rate") or ("bit error count") or ("noise rate") or ("noise count") or ("signal degradation rate")) and ("transparent multiplexer") or ("t-mux")))	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09
S71	90	(((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/241.1) or (370/252) or (370/319) or (370/337) or (370/474) or (370/476) or (370/501) or (370/503) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505) or (370/507) or (398/1) or (398/2) or (398/2) or (398/2) or (398/3) or (398/8) or (398/10) or (398/27) or (714/4) or (714/47) or (714/48) or (714/51) or (714/704) or (714/708) or (714/712)).CCLS.) and (multiplexer and demultiplexer and SONET and (("bit error rate") or ("BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("superframe error rate") or ("bit error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate") or ("error message")))	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09

S72	90	(((370/215-219) or (370/222-225)	US-PGPUB;	OR	ON	2004/11/16 20:09
0,2	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	or (370/238) or (370/242) or	USPAT	J OIL	0.1	2001/11/10 20:03
		(370/241.1) or (370/252) or	00.7.1		İ	
		(370/319) or (370/337) or				
		(370/474) or (370/476) or				
		(370/501) or (370/503) or				
1		(370/505) or (370/516) or				
		(370/517) or (370/535-544) or				·
		(370/557) or (370/907) or (398/1)				
		or (398/2) or (398/5) or (398/7)				
		or (398/8) or (398/10) or (398/27)				
		or (714/4) or (714/47) or (714/48)				
		or (714/51) or (714/704) or				
		(714/708) or (714/712)).CCLS.)				
		and (multiplexer and demultiplexer				
		and SONET and (("bit error rate")				
		or (BER) or ("error rate") or ("cell				
		error rate") or ("data error rate")				
		or ("frame error rate") or				
		("superframe error rate") or ("bit				
		error count") or ("error count") or				
		("signal to noise ratio") or (SNR)				1
		or ("noise rate") or ("noise count")				
		or ("signal degradation rate") or			,	
		("error message")))				,

S73 .	12	(((370/215-219) or (370/222-225)	US-PGPUB;	OR	ON	2004/11/16 20:09
		or (370/238) or (370/242) or	USPAT			
		(370/241.1) or (370/252) or				
		(370/319) or (370/337) or				
		(370/474) or (370/476) or				
		(370/501) or (370/503) or	:			
		(370/505) or (370/516) or				
1		(370/517) or (370/535-544) or				
		(370/557) or (370/907) or (398/1)				
1		or (398/2) or (398/5) or (398/7)				
		or (398/8) or (398/10) or (398/27)				·
		or (714/4) or (714/47) or (714/48)				
		or (714/51) or (714/704) or				
		(714/708) or (714/712)).CCLS.)				
		and (multiplexer and demultiplexer				
		and SONET and (("coding				
j .		violation") or ("bit error rate") or				
		(BER) or ("error rate") or ("cell				
		error rate") or ("data error rate")				
1		or ("frame error rate") or				
		("superframe error rate") or ("bit				
		error count") or ("error count") or				
		("signal to noise ratio") or (SNR)				
		or ("noise rate") or ("noise count")				
		or ("signal degradation") or				
		("signal degradation rate") or				
		("signal degrade") or ("signal				
		degrade rate") or ("error				
		message") or ("protection		,	·	
		switching") or (failover) or				
		(performance near1 monitor\$3))				
		and ((operations adj				
		administration adj mantenance				
		adj2 provisioning) or ("OAM&P")				,
	į.	or ("OAM and P") or (OAMP)))		l		1

S74	23	(((370/215-219) or (370/222-225)	US-PGPUB;	OR	ON	2004/11/16 20:09
		or (370/238) or (370/242) or	USPAT			
,		(370/241.1) or (370/252) or				
		(370/319) or (370/337) or				
		(370/474) or (370/476) or				
		(370/501) or (370/503) or				
		(370/505) or (370/516) or				
		(370/517) or (370/535-544) or				
		(370/557) or (370/907) or (398/1)				
		or (398/2) or (398/5) or (398/7)				
		or (398/8) or (398/10) or (398/27)				
		or (714/4) or (714/47) or (714/48)				
		or (714/51) or (714/704) or				
		(714/708) or (714/712)).CCLS.)				
		and (multiplexer and demultiplexer				
		and SONET and (("coding				
		violation") or ("bit error rate") or				
		(BER) or ("error rate") or ("cell				
		error rate") or ("data error rate")				
		or ("frame error rate") or				
		("superframe error rate") or ("bit				
		error count") or ("error count") or				
		("signal to noise ratio") or (SNR)				
		or ("noise rate") or ("noise count")				
		or ("signal degradation") or				
		("signal degradation rate") or				
		("signal degrade") or ("signal				
		degrade rate") or ("error				
		message") or ("protection				· ·
		switching") or (failover) or				
		(performance near1 monitor\$3))				
		and ((operations adj				
		administration adj mantenance				
		adj2 provisioning) or ("OAM&P")				
		or ("OAM and P") or (OAMP) or				
		(OAM)) and (overhead))				

S75	53	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP) or (OAM))	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09
S76	50	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("roise rate") or ("performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAMR)") or ("OAM and P") or (OAMP) or (OAM))	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09

S77	5	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09
		(BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP) or (OAM)) and ((bit near1 interleaved near1 parity) or (BIP) or (BIP-8))				
S78	8	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("protection switching") or (protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAMP) or (OAM) and ((bit near1 interleaved near1 parity) or (parity near2 bit near2 field) or (BIP) or (BIP-8))	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09

				,	,	
S79	206	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") or ("error message")) and ((bit near1 interleaved near1 parity) or (parity near2 bit near2 field) or (BIP) or (BIP-8) or (B1) or (B2) or (B3))	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09
S80	38	multiplexer and demultiplexer and SONET and optical and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade rate") or ("error message")) and ((bit near1 interleaved near1 parity) or (parity near2 bit near2 field) or (BIP) or (BIP-8) or (B1) or (B2) or (B3)) and (STS-1)	US-PGPUB; USPAT	OR	ON	2004/11/16 20:09
S81	7	(("5216666") or ("5283785") or ("5434858") or ("5436890") or ("5579323") or ("6298038") or ("5841760")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/16 20:09
S82	5	"6298038".URPN.	USPAT	OR	ON	2004/11/16 20:09
S83	371	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ration") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate"))	US-PGPUB; USPAT	OR	ON	2004/11/22 11:59

S84	371	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate"))	US-PGPUB; USPAT	OR	ON	2004/11/22 11:59
S85	0	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and ("SD message")	US-PGPUB; USPAT	OR	ON	2004/11/22 11:59
S86	3	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and ("transparent multiplexer" or ("t-mux"))	US-PGPUB; USPAT	OR	ON	2004/11/22 11:59
S87	8009	((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/501) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-543) or (370/557)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/22 11:59
S88	8089	((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/501) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-543) or (370/557) or (370/907)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/22 11:59

S89	9264	((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/474) or (370/476) or (370/501) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-544) or (370/557) or (370/907)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/11/22 11:59
S90	52	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/474) or (370/503) or (370/505) or (370/503) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505).	US-PGPUB; USPAT	OR	ON	2004/11/22 11:59
S91	114	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("bit error count") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/474) or (370/503) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505) or (370/505).)	US-PGPUB; USPAT	OR	ON	2004/11/22 11:59

C					1 00:	2004/44/20 44 75
S92	119	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation rate") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/370) or (370/505) or (370/503) or (370/505) or (370/505) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/22 11:59
S93	120	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade") or ("signal degrade rate") ("SD") or ("SD message") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/474) or (370/503) or (370/505) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/22 11:59

S94	0	multiplexer and demultiplexer and	US-PGPUB;	OR	ON.	2004/11/22 11:59
		SONET and (("coding violation")	USPAT			
•		or ("bit error rate") or (BER) or				
		("error rate") or ("cell error rate")				
		or ("data error rate") or ("frame	!			
		error rate") or ("superframe error				
		rate") or ("bit error count") or				
		("error count") or ("signal to noise ratio") or (SNR) or ("noise rate")				
ĺ		or ("noise count") or ("signal				
		degradation") or ("signal				
		degradation rate") or ("signal			1	
		degrade") or ("signal degrade		]		
		rate") or ("SD") or ("SD message")				
		or ("error message") or				
		("protection switching") or				
		(failover) or (performance near1				
		monitor\$3)) and (((B adj "3") adj			1	
1		(message)) or (SD adj message)) and (((370/215-219) or				
İ		((370/213-219) of (370/238) or				
		(370/242) or (370/319) or				
		(370/337) or (370/474) or				
į.		(370/476) or (370/501) or				'
		(370/503) or (370/505) or				
		(370/516) or (370/517) or				
		(370/535-544) or (370/557) or				
		(370/907)).CCLS.)				

S95 21	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP) or (OAM)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/337) or (370/501) or (370/503) or (370/505) or	US-PGPUB; USPAT	OR	ON	2004/11/22 11:59
	(370/516) or (370/517) or (370/535-544) or (370/557) or (370/907)).CCLS.)				

		<u> </u>				<del></del>
S96	98	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP) or (OAM) or (overhead)) and (((370/215-219) or (370/242) or (370/339) or (370/474) or (370/476) or (370/505) or (370/503) or (370/505) or (370/505).	US-PGPUB; USPAT	OR	ON	2004/11/22 11:59
S97	3	multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate")) and (("transparent multiplexer") or ("t-mux"))	US-PGPUB; USPAT	OR	ON	2004/11/22 11:59

	<del></del>				<del></del>	<del></del>
S98		multiplexer and demultiplexer and SONET and (("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("data error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation rate") or ("error message")) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/319) or (370/476) or (370/501) or (370/503) or (370/505) or (370/516) or (370/517) or (370/535-544) or (370/557) or (370/907)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/22 11:59
S99	7	multiplexer and demultiplexer and SONET and (("coding violation") or ("bit error rate") or (BER) or ("error rate") or ("cell error rate") or ("frame error rate") or ("superframe error rate") or ("bit error count") or ("superframe error rate") or ("bit error count") or ("error count") or ("signal to noise ratio") or (SNR) or ("noise rate") or ("noise count") or ("signal degradation") or ("signal degradation") or ("signal degrade") or ("signal degrade rate") or ("error message") or ("protection switching") or (failover) or (performance near1 monitor\$3)) and ((operations adj administration adj mantenance adj2 provisioning) or ("OAM&P") or ("OAM and P") or (OAMP)) and (((370/215-219) or (370/222-225) or (370/238) or (370/242) or (370/501) or (370/503) or (370/505) or (370/516) or (370/5057) or (370/535-544) or (370/557) or (370/507)).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/11/22 11:59